

JUN 21 1982

U.S. DEPARTMENT OF LABOR

WORKPLACE STANDARDS ADMINISTRATION

BUREAU OF LABOR STANDARDS

MATERIAL SAFETY DATA SHEET

FORM NO. OSHA-20 (MODIFIED)
MAY 1971MDC CONTROL NO. DMS 1827
Type 2, Grade B

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME

PEMACO INC.

EMERGENCY TELEPHONE NO.

(213) 581-7185

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)

5989 District Blvd., Maywood, Ca. 90270

CHEMICAL NAME AND SYNONYMS

Sulfo-chlorinated Cutting Oil

TRADE NAME AND SYNONYMS

PEMS 3081

CHEMICAL FAMILY

Hydrocarbon oil plus additives

FORMULA

TM 3081

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
none					

SECTION III: PHYSICAL DATA

BOILING POINT (°F)		SPECIFIC GRAVITY (H ₂ O = 1) @60°F.	0.925
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	Insoluble		

APPEARANCE AND ODOR

Clear amber liquid with a mild characteristic odor.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	310°F. (C.O.C.)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Dry Chemical, foam, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	Do not use water except as fog.			

UNUSUAL FIRE AND EXPLOSION HAZARDS

none

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

5 mg/cubic meter (applies to oil mist only)

EFFECTS OF OVEREXPOSURE

Slight irritation to skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

Skin - remove oil by wiping, followed by washing with soap and water.

Eyes - flush with copious quantities of water.

Ingestion - get immediate medical aid.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	X

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂ may be formed upon combustion.

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Absorb with clay, diatomaceous earth, or other inert material.

WASTE DISPOSAL METHOD

Controlled burning; dispose with plant oil wastes.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

not normally required

VENTILATION	LOCAL EXHAUST	SPECIAL
	As required if mist is generated	
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

Not normally required

EYE PROTECTION

Goggles if oil is sprayed or misted.

OTHER PROTECTIVE EQUIPMENT

none

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool protected area. Avoid open flames or sparks.

OTHER PRECAUTIONS

Avoid breathing of oil mist and prolonged skin contact.

PREPARED BY

J. P. Skyrus
J. P. Skyrus

DATE

June 8, 1982